

**THE FOLLOWING IS THE ENGLISH TRANSLATION OF THE
ARTICLE 34 AMENDED SHEETS (Pages 15 and 16)**

COPY

15
CLAIMS

1. A polyolefin fiber for the reinforcement of products based on fibers and a hydraulic-setting substance, including a size carrying a function which assists the fiberizing operation, a function in which the fiber can be wetted by the composition of the hydraulic-setting substance, and a function of promoting adhesion to the hydraulic-setting substance, and **characterized in that** the sizing comprises at least a product based on fatty-acid polyethylene glycol ester and phosphoric acid ester compounds, natural-oil-based such as the reference "Synthesin 7292" by Dr. Boehme, or at least a product based on a lubricating and antistatic mixture sold under the reference "KB 144/2" by Cognis, or at least a product based on a fatty-acid-derived polyethylene glycol ester such as the reference "Stantex S6077" by Cognis, or at least a product based on non-ionic surfactant and esterquats such as the reference "Stantex S6087/4" by Cognis.
2. The polyolefin fiber as claimed in claim 1, **characterized in that** the polyolefin is polypropylene.
3. The polyolefin fiber as claimed in one of the preceding claims, **characterized in that** the titre of the polyolefin fiber is between 0.5 and 10 dtex.
4. The polyolefin fiber as claimed in one of the preceding claims, **characterized in that** the polyolefin fiber has a tenacity of at least 4 cN/dtex, preferably of at least 5 cN/dtex.
5. The polyolefin fiber as claimed in one of the preceding claims, **characterized in that** the size is present on the fiber in an amount of 0.05 to 5 % by weight of dry matter relative to the dry weight of fiber.
6. The polyolefin fiber as claimed in one of the preceding claims, **characterized in that** the size is applied pure or as a solution, dispersion or emulsion, aqueous-based or based on another suitable liquid vehicle.
7. The use of a fiber as claimed in one of the preceding claims as reinforcing fiber in a product based on fibers and a hydraulic-setting substance.
8. A product based on fibers and a hydraulic-setting substance, **characterized in that** it comprises polyolefin fibers as claimed in one of claims 1 to 6.

9. The product as claimed in claim 8, **characterized in that** it comprises from 0.2 to 5% by weight of reinforcing fibers relative to the total dry weight of the initial mixture.
10. The product as claimed in claim 8 or 9, **characterized in that** it has the form of a plane or corrugated board or plate.
11. A process for manufacturing a product based on fibers and a hydraulic-setting substance as claimed in one of claims 8 to 10, **characterized in that** an initial mixture based on hydraulic binder, water and fibers is prepared, in that the mixture is filtered on a fixed or moving support in order to form a wet elementary sheet, in that a plurality of elementary sheets is superposed to form a wet intermediate product and in that the wet intermediate product is dried.
12. A composition for a hydraulic-setting material, especially for mortar, comprising a hydraulic binder and fibers as claimed in one of claims 1 to 6.